Pillsbury Winthrop LLP, Washington, DC
New Application, Matter No.: 0275016
Inventor: BARILE
Title: MATCHING A SYNTHETIC...
6 Pages, Figures 1-6
Sheet 1 of 6

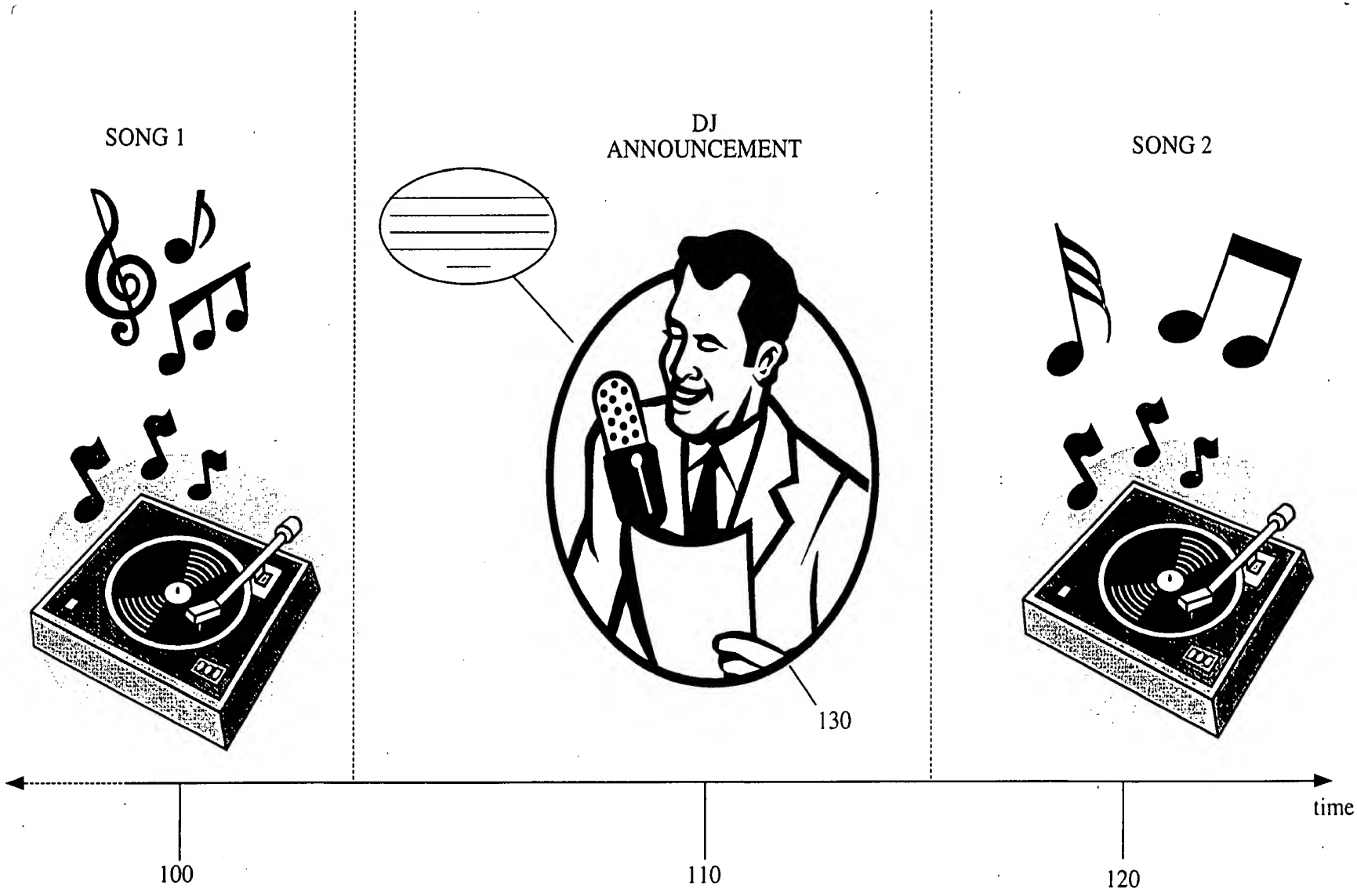

FIGURE 1 (Prior Art)

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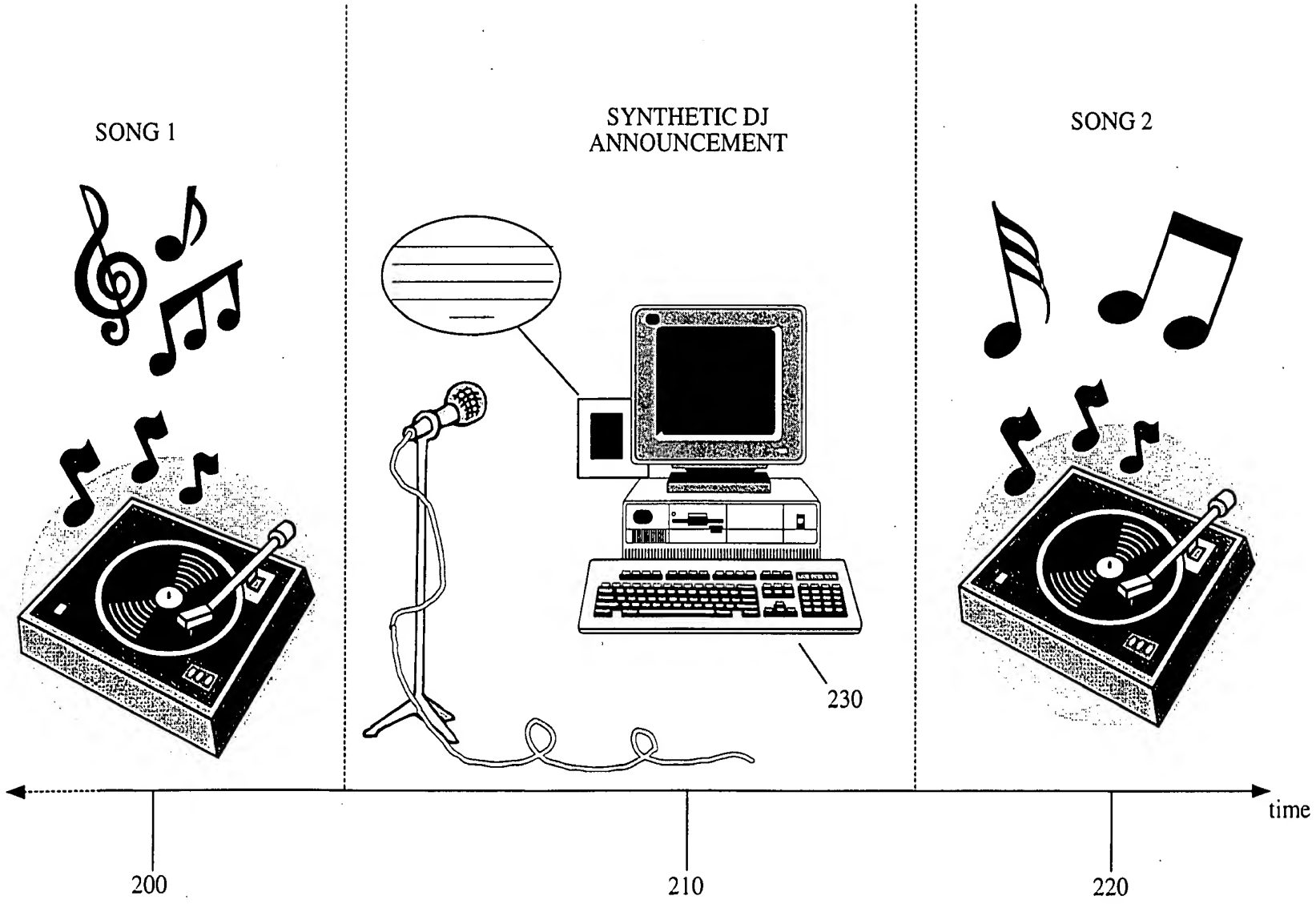

FIGURE 2

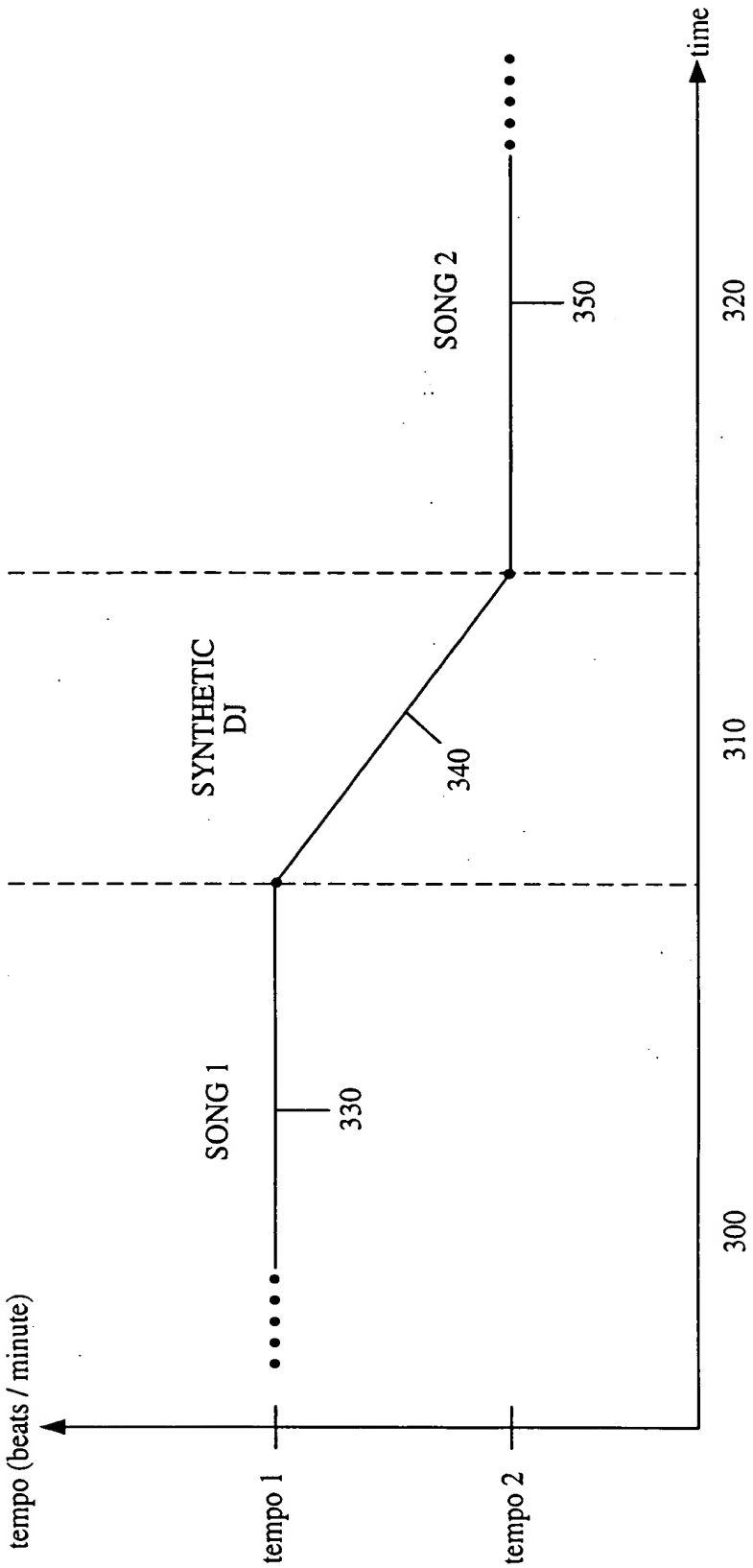
time
tempo (beats / minute)
tempo 1
tempo 2
SONG 1
SONG 2
SYNTHETIC DJ
300
310
320
330
340
350

FIGURE 3

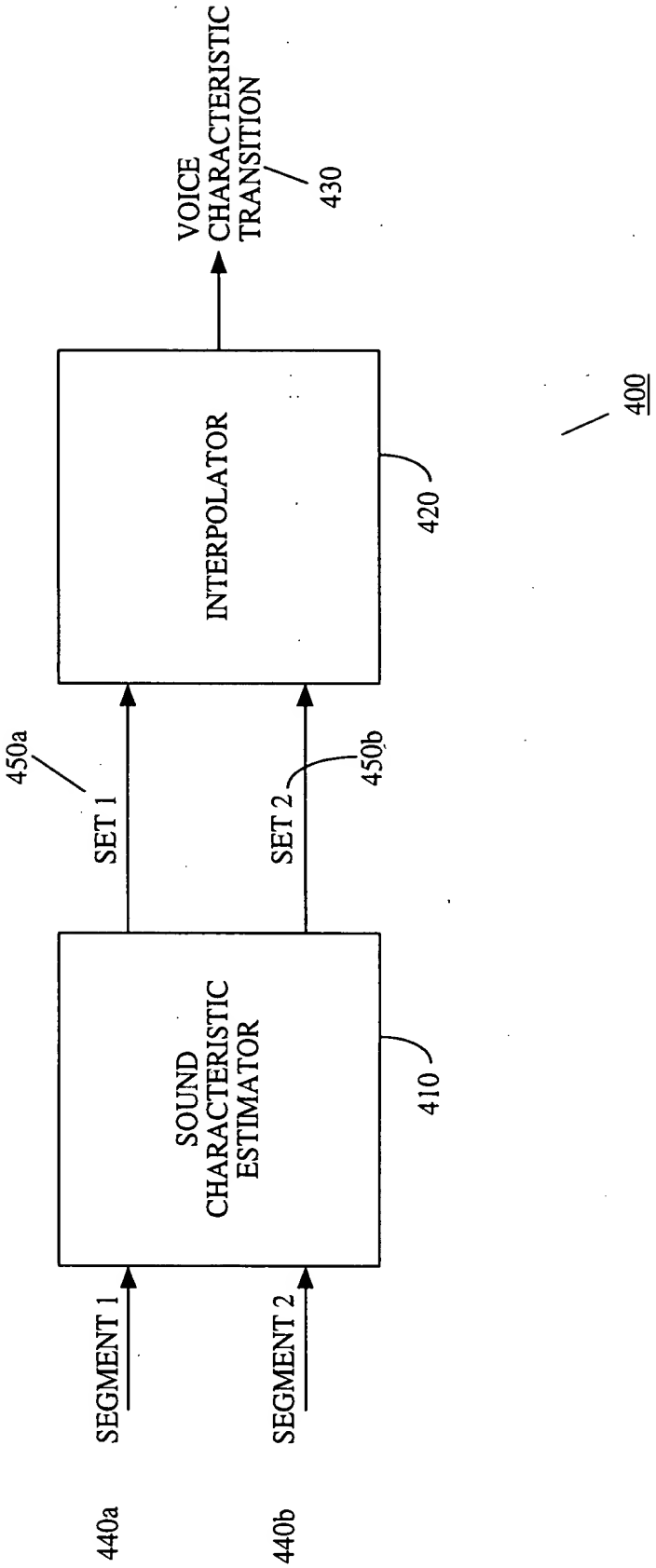
VOICE CHARACTERISTIC TRANSITION
430
400
INTERPOLATOR
420
450a
SET 1
SET 2
450b
SOUND CHARACTERISTIC ESTIMATOR
410
SEGMENT 1
SEGMENT 2
440a
440b

FIGURE 4

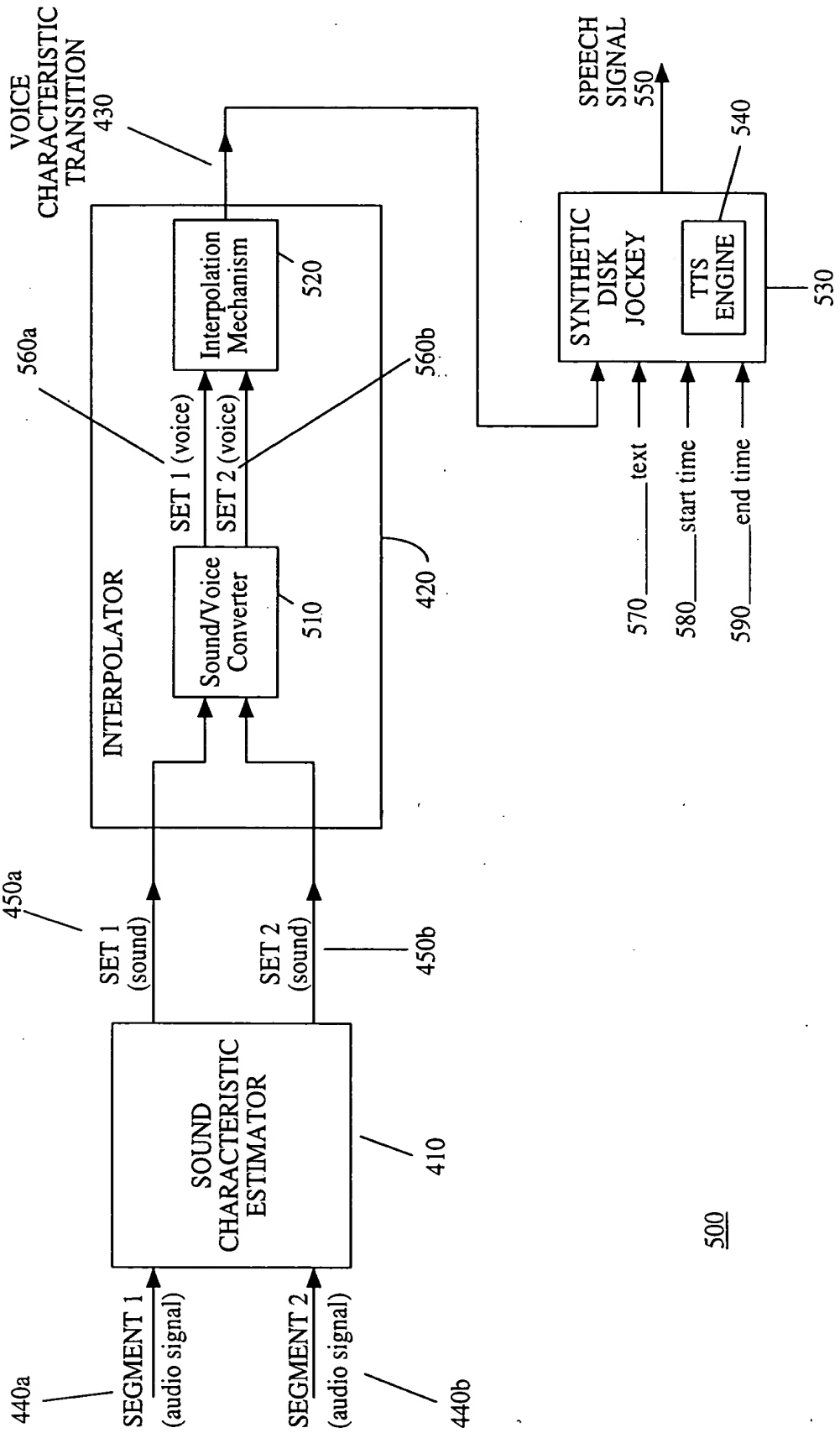
VOICE CHARACTERISTIC TRANSITION
430
SPEECH SIGNAL
550
540
Interpolation Mechanism
520
SYNTHETIC DISK JOCKEY
TTS ENGINE
530
560a
560b
SET 1 (voice)
SET 2 (voice)
INTERPOLATOR
Sound/Voice Converter
510
420
570 text
580 start time
590 end time
450a
SET 1 (sound)
SET 2 (sound)
450b
SOUND CHARACTERISTIC ESTIMATOR
410
440a
SEGMENT 1 (audio signal)
SEGMENT 2 (audio signal)
440b
500

FIGURE 5

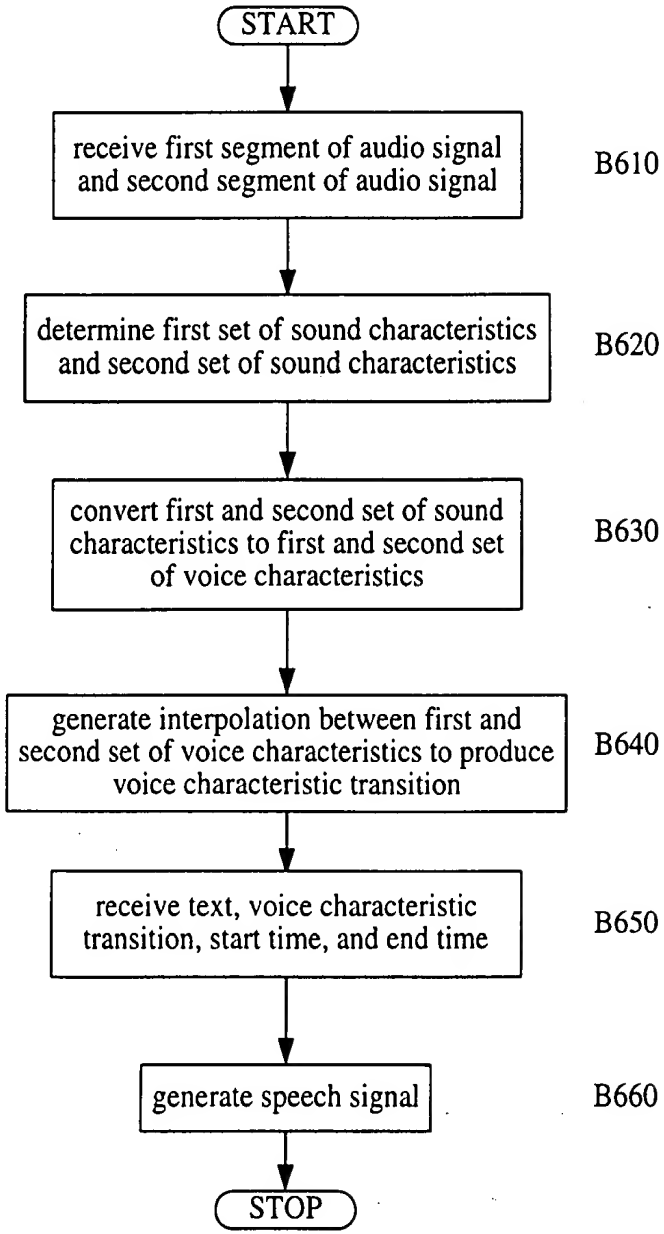

FIGURE 6

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New Application, Matter No.: 027501
Inventor: BARILE
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